

# S.M.A.R.T Technologies for Students who are Deaf with Disabilities

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## INTRODUCTION

- Teachers report that using tablets equipped with educational apps have helped their students in various developmental domains such as: academic, language and communication, organization, social-emotional, and behavioral.
- Guardino, Cannon, & Silverman (October, 2017) presented a seminar on Free & Low Cost Technology Resources at Pacific Rim International Conference on Disability and Diversity in Honolulu, Hawaii.
- Guardino (2018) conducted a keynote presentation at the Florida Educators of Students who are Deaf and Hard of Hearing (FEDHH) Conference. During the presentation, teachers of the d/Deaf & Hard of Hearing (TODHH) identified strategies they use students who are Deaf with Disabilities (DWD).
- This poster is a combination of:
  - The apps that were most highly reported by TODHH who work with DWDs
  - The seminar resources that may meet the needs reported by teachers and service providers who work with DWDs
- All resources can be incorporated into the classroom using the S.M.A.R.T acronym:
  - Specific**-why is this app helpful?
  - Measurable**-how will data be collected using the app?
  - Attainable**-how much does the app cost?
  - Relevant**-why is this app useful for the learner(s)?
  - Time Bound**-How often will you check to determine the usefulness of the app?

## Academic Content



GoNoodle

Cost: Free  
Platform: Apple, Google Play & Website

- GoNoodle is a program that supplements activities inside of the classroom in a variety of different domains. For example, the app encourages students to get up and move and interact with the videos that are being shown.
- The videos on GoNoodle are categorized by themes such as curriculum, school life, social-emotional learning, sensory & motor skills, and mindfulness. All videos are captioned and have colorful text to support the audio message of the lesson.

Your  
Resource  
Here



Skitch

Cost: Free  
Platform: Apple & Website Download

- Skitch is an application that allows users to annotate, markup, and draw on their work or picture after it is downloaded with the app.
- Teachers may use Skitch to have students diagram parts of speech, solve math problems, and even create entries for a visual dictionary.
- Skitch can be personalized by using a variety of buttons to add different colors, shapes, text, and arrows to draw attention to parts of user's work.

## Language & Communication



Do2Learn

Cost: Free  
Platform: Website

- Do2Learn is designed to be a teachers toolbox and has a variety of resources. This website is specifically designed for individuals with disabilities.
- One of the resources is a Picture Exchange Communication System (PECS), with free downloadable communication cards.
- Do2Learn also has a section developed on how to promote language with students; in addition to other academic, social, and behavioral resources.

Your  
Resource  
Here



Sign2TXT

Cost: \$5.99  
Platform: iPad

- Sign2TXT utilizes American Sign Language (ASL) signs in a format similar to the PECS symbols. The app is part of the HandCraftEdASL Series by Angie Craft.
- This app also allows students to search for signs using handshapes, especially helpful for those who do not have strong spelling skills.
- Sign2TXT also allows students to use the ASL alphabet on the qwerty board to fingerspell words that are then presented in written English.

## Organization & Planning



OneNote

Cost: Free  
Platform: Apple, Google Play, & Website

- OneNote is a one stop platform to create interactive notebooks, supplemental materials, and organize your classroom.
- OneNote allows for integration of Word, PowerPoint, & Excel into a singular platform as well as integration of emails and notes into a singular place.
- The software allows for students to access their notebooks at home without worrying about returning or losing homework.

Your  
Resource  
Here



Visual Timers by  
SinSoft

Cost: Free  
Platform: Apple

- Visual Timers is a timer represented visually. The app allows the user to set 6 different timers, each with a different name and time.
- This may help teachers to work on balancing everything that they need to get done.
- Great tool to use when trying to track behaviors for IEP or Behavior Plan data as you can be tracking up to 6 different behaviors at one time.

## Social-Emotional Development



Class Dojo

Cost: Free  
Platform: Apple, Google Play & Website

- Class Dojo is an interactive learning platform that can be used to communicate with family members, sharing classroom events and behaviors.
- Class Dojo offers an open line of communication between the teacher and the families of the students inside the classroom.
- Class Dojo is also a behavior management system where students earn points for completing work, homework, collaborating with peers, etc.

Your  
Resource  
Here



Social Stories  
Creator & Library

Cost: Free, in app purchases  
Platform: iPad Only

- Social Stories Creator & Library is an app that allows you to create your own social stories. You can also search for social stories that have been previously created.
- The free version is limited. Users can create their own social stories and access one free social story of how to appropriately use of devices.
- Social Story range in price from \$0.99 to \$2.99.